

What Is Claimed Is:

1. A support element for the mutual bracing of a fuel injector (1) in a valve seat of a cylinder head of an internal combustion engine and the fuel injector (1) at a fuel-distributor line (2),
wherein the support element (3) is formed such that the forces acting on the fuel injector (1) act only in the axial direction and have no radial component.
2. The support element as recited in Claim 1,
wherein the support element (3) has a clamp (8) and tabs (11) formed thereon.
3. The support element as recited in Claim 1 or 2,
wherein the clamp (8) is braced at a shoulder (10) of the fuel-distributor line (2).
4. The support element as recited in Claim 1 or 2,
wherein the tabs (11) are supported at a shoulder (9) of the fuel injector (1).
5. The support element as recited in one of Claims 1 through 4,
wherein the clamp (8) has a slot (15) in the region of an electrical connection (7) of the fuel injector (1).
6. The support element as recited in one of Claims 1 through 5,
wherein the clamp (8) is made from spring steel by stamping.
7. The support element as recited in one of Claims 1 through 6,
wherein the clamp (8) has edges (16), which are radially folded over to the inside and abut against the fuel injector (1).

8. The support element as recited in one of Claims 1 through 7,

wherein the support element (3) has a rectangular or square cross-section form.

9. The support element as recited in one of Claims 1 through 8,

wherein the support element (3) braces the fuel injector (1) with respect to the fuel-distributor line (2).

10. The support element as recited in one of Claims 1 through 9,

wherein the support element (3) is guided by the cylinder head (12) of the internal combustion engine.

11. The support element as recited in one of Claims 1 through 10,

wherein the tabs (11) of the support element (3) have a circumferential groove (13).

12. The support element as recited in Claim 11,
wherein the groove (13) engages from behind with a projection (14) formed at a shoulder (9) of the fuel injector (1).

13. The support element as recited in one of Claims 1 through 12,

wherein the shoulder (9) formed on the fuel injector (1) is radially inclined inwardly at an angle (α).

14. The support element as recited in Claim 13,
wherein contact surfaces of the tabs (11) of the support element (3) are inclined at an approximately identical angle (α).